UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,924	02/27/2004	Craig S. Kickel	303.851US1	8884

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SCHWEGMAN, LUNDBERG & WOESSNER, P.A.
P.O. BOX 2938
MINNEAPOLIS, MN 55402

EXAMINER
LUDWIG, MATTHEW J

ART UNIT	PAPER NUMBER
2178	

MAIL DATE	DELIVERY MODE
01/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>16 October 2007</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-4,6-9,11-37,39-42 and 44-56* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4,6-9,11-37,39-42 and 44-56* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   This office action is in response to the amendment received 10/16/07.

2.   Claims 1-4, 6-9, 11-37, 39-42, and 44-56 are pending in the application.

3.   Claims 1-4, 6-9, and 11-15 rejected under 35 U.S.C. 103(a) as being unpatentable over

Periwal have been withdrawn pursuant to applicant's amendment. Furthermore, claims 16-42

and 44-56 rejected under 35 U.S.C. 103(a) as being unpatentable over Periwal in view of Fuller

have been withdrawn pursuant to applicant's amendment.

Claim Rejections - 35 USC § 102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed
> in the United States before the invention by the applicant for patent or (2) a patent granted on an application for
> patent by another filed in the United States before the invention by the applicant for patent, except that an
> international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this
> subsection of an application filed in the United States only if the international application designated the United
> States and was published under Article 21(2) of such treaty in the English language.

5.   **Claims 1-4, 6-9, 11-37, 39-42, and 44-56 are rejected under 35 U.S.C. 102(e) as being**

anticipated by Rust et al., Pat. Pub. US 2005/0131920 filed (10/15/04).

In reference to independent claim 1, Rust teaches:

        'reading metadata for a database, the metadata including a constraint definition for at

least one column of the database' (See page 2, 0012 through 0014). The reference discloses

metadata and more specifically, received data may be mapped by generating a representational

constraint set and generating a conditional constraint set.

'translating the metadata into a first page description language code, the first page

description language code including a translation in accordance with the constraint

definition' (See page 3, 0032 –through 0037). The reference provides a translation tool which is

used in tandem with the constraint set formed with the metadata.

'outputting the fist page description language code and integrating the fist page

description language code with a second page description language code; and generating a

page based application based on the first and second page description language code' (See

page 11, 0162 through 0164). The reference provides relational schema transformed using

XSLT. Furthermore, the reference provides APIs and various languages for outputting the

metadata based upon the transformations and constraint definitions.

In reference to dependent claim 2, Rust teaches:

In response to receiving a schema represented in its native syntax, the semantic portion of the

received schema is distinguished. The schema may be, for example, an XML message schema, a

relational schema, or an ObjectOriented Class model. See page 1, 0011 through 0014.

In reference to dependent claims 3 and 4, Rust teaches:

The ontology includes ontology terms that may include an agent term signifying an entity

that performs an action relating to the data, a time term signifying temporal parameters of the

data, a place term signifying spatial parameters of the data. See page 2, 0014 through 0016.

In reference to dependent claim 6, Rust teaches:

In response to receiving a schema represented in its native syntax, the semantic portion of

the received schema is distinguished. The schema may be, for example, an XML message

schema, a relational schema, or an ObjectOriented Class model. See page 1, 0011 through 0014.

In reference to dependent claim 7, Rust teaches:

In some embodiments, the application may include an application program interface within the invention. See page 12, 0172 through 0173.

In reference to dependent claim 8, Rust teaches:

Although XSLT performs transformations that move an element from one place to another and may change its representation and encoding, it does nothing to its meaning. See page 1, 0004 through 0005.

In reference to dependent claim 9 and 11, Rust teaches:

A constraint rule set or an ontological rule set is generally a set of statements and/or rules expressing logical and/or linguistic constraints on the meaning or representation of a term. See page 2, 0012 through 0014.

In reference to dependent claim 12, Rust teaches:

A constraint rule set or an ontological rule set is generally a set of statements and/or rules expressing logical and/or linguistic constraints on the meaning or representation of a term. See page 2, 0012 through 0014.

In reference to dependent claim 13 and 14, Rust teaches:

Figure 5 illustrates a flowchart which includes schema represented in an external syntax (e.g. a relational schema, an XML message, an Objectoriented class model, etc. See Rust, figure 5.

In reference to dependent claim 15-18, Rust teaches:

The reference includes various languages (HTML, DHTML, XML, JSP, ASP, Cold

Fusion for representing multiple data schemas and transferring data between different data

schemas within a contextual ontology. See page 12, 0172 through 0173.

In reference to claims 19-56, the claims recite similar limitations to those for carrying out the

reading of metadata found in 1-18. Therefore, the claims are rejected under similar rationale.

Response to Arguments

6.   Applicant's arguments with respect to claims 1-4, 6-9, 11-37, 39-42, and 44-56 have been

considered but are moot in view of the new ground(s) of rejection.

Applicant amended the independent claims and thus changed the scope of the claims

when read as a whole. Regarding independent claim 1, applicant added language such as

'outputting the first page description language code and integrating the first page description

language code with a second' page description language code; and generating a page based

application based on the first and second page description language code'. It is because of the

above-mentioned amendments that the Examiner has withdrawn the prior art reference and

replaced the reference with a newly found reference.

Conclusion

7.   Applicant's amendment necessitated the new ground(s) of rejection presented in this

Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Matthew J. Ludwig whose telephone number is 571-272-4127.

The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Stephen Hong can be reached on 571-272-4124. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.
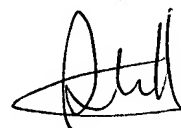
Information regarding the status of an application may be obtained from the Patent

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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like assistance from a USPTO Customer Service Representative or access to the

automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ML

STEPHEN HONG
SUPERVISORY PATENT EXAMINER